U.S. GEOLOGICAL SURVEY-BRANCH OF ATLANTIC MARINE GEOLOGY

ELECTRONIC CRUISE REPORT

1. SHIP NAME (Parent vessel)/SUBMERSIBLE/OWNER-OPERATOR:

   R/V ELUSIVE ELUS 95008
   NURC, UNC Wilmington

2. PRE-CRUISE SERIAL # AND/OR CRUISE-LEG:

   95008

3. PROJECT # AND NAME:

   ~~7241-33090~~ 9470-32702
   Geomorphic Analysis of Shoreface/Inner Shelf Imagery
   (Wrightsville Beach, NC)

4. FUNDING AGENCY:

   USGS-Duke Un. Coop.

5. CONTRACT (If applicable):

6. AREA OF OPERATIONS:

   Nearshore area off Wrightsville Beach, NC

7. START DATE: 07/23/95

8. START PORT: Wilmington, NC

9. END DATE: 07/31/95

10. END PORT: Wilmington, NC

11. CHIEF SCIENTIST(S): Bill Schwab

12. SCIENTIFIC PARTY (Names,affiliations,cruise duties):

    Bill Schwab - PI (USGS)
    Jane Denny - Data Processing (USGS)
    Dave Nichols - Electonic Technician (USGS)
    Barry Irwin - Navigation (USGS)
    Rob Thieler - co-PI (Duke Un.)

13. SHIP'S CAPTAIN (and affiliation):

    Glen Taylor (NURC, UNC Wilmington)

14. PURPOSE OF CRUISE (brief statement)

Resurvey the nearshore area off Wrightsville Beach using high-resolution sidescan-sonar and bathymetry. Area was previously mapped in 1994.

15. NAVIGATION TECHNIQUES:

DGPS

16. SCIENTIFIC EQUIPMENT:

Klein 100 kHz sidescan sonar
12 kHz fathometer

17. TABULATED INFORMATION:
DAYS AT SEA: 5 day (weather was not cooperative)
CONTINUOUS DATA (in km): full-coverage sidescan mosaic (8.9 X 5.7 km)
STATIONS OCCUPIED (stationary and underway): NA
SUBMERSIBLE DIVES (BY #): NA
STATION INFORMATION:
Station number:
Date of occupation:
Latitude/Longitude:
Water depth:
Sampling device (dive #):
Number and type of samples:

18. SUBMITTED BY AND DATE: Bill Schwab (3/14/96)

19. SEISMIC LINE LIST IN CHRONOLOGICAL ORDER:(#, date, Julien day, start/end time in UTC, where data reside if not in Woods Hole)

ELUSIVE ELUS 95008 July 23-31, 1995
Wrightsville Beach, NC
Bill Schwab-USGS/Rob Thieler-Duke U
Sidescan Sonar Lines

Line #	Date	JD	Start/End UTC
1	950724	205	1220/1310
2		205	1320/1408
3		205	1409/1453
4		205	1455/1548
5		205	1549/1635
6		205	1637/1738
7		205	1742/1830
8		205	1831/1935

9	950725	206	1046/1136
10		206	1139/1235
11		206	1236/1328
12		206	1328/1428
13		206	1428/1522
14		206	1522/1626
15	950727	208	1034/1118
16		208	1411/1459
17		208	1500/1606
18		208	1606/1654
19		208	1658/1806
20	950728	209	1022/1113
21		209	1114/1212
22		209	1213/1306
23		209	1306/1409
24		209	1409/1501
25		209	1502/1601
26		209	1602/1654
27		209	1655/1756
28		209	1756/1849
29		209	1849/1906
30	950729	210	1031/1124
31		210	1125/1224
32		210	1229/1324
33		210	1324/1425
34		210	1425/1522
35		210	1522/1625
36		210	1625/1721
37		210	1721/1816
38		210	1816/1910

20. SAMPLE/CORE LIST:(#, lat/long, type, where data reside)

NA

Please submit the following as hardcopy:
PAGE SIZE TRACKCHART:(to accompany post-cruise report)
FULL SIZE TRACKCHART:(hour/day tics, line/sample #)